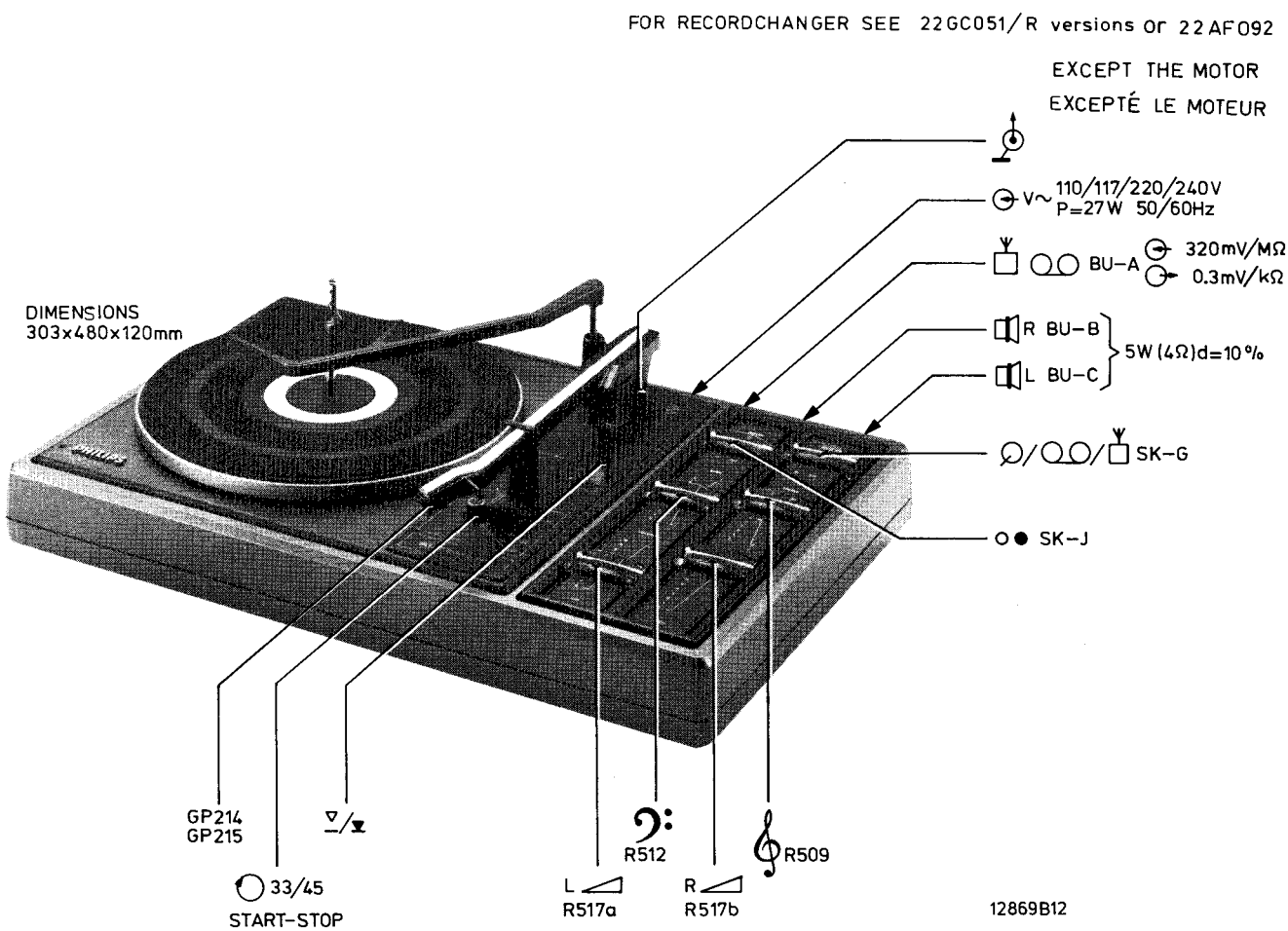
# Record player amplifier 22AF462/00

Service
Service
**Service**

# Service Manual





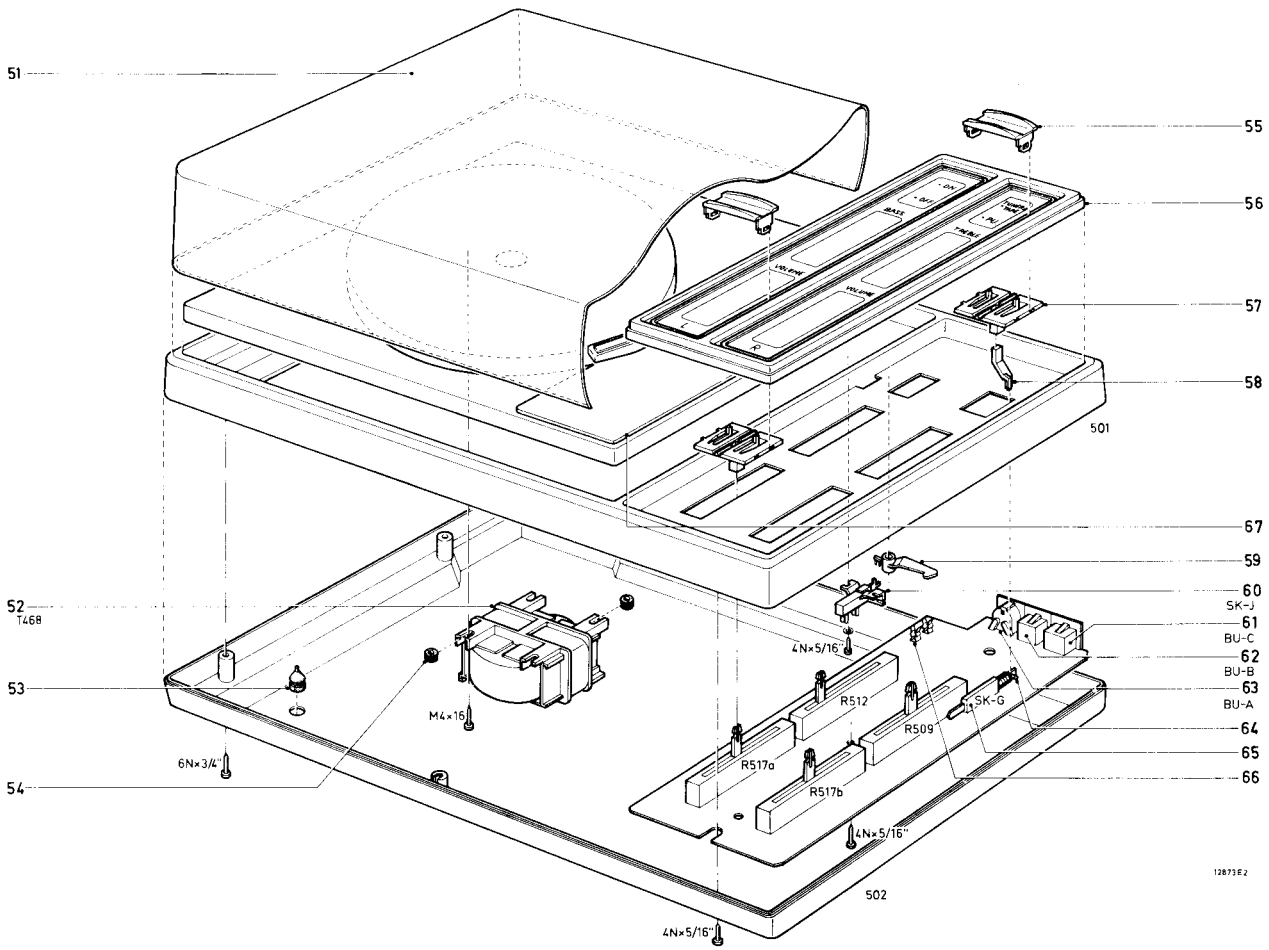
Documentation Technique Service Dokumentation Documentazione di Servizio Huolte-Ohje Manual de Servicio Manual de Serviço

Subject to modification

4822 726 12082

Printed in The Netherlands

PHILIPS




| | | | | | |
|---|---|---|---|---|---|
| 51 | 4822 444 60347 | 56 | 4822 444 30229 | 61 | 4822 267 30264 |
| 52 | 4822 146 60082 | 57 | 4822 402 30095 | 62 | 4822 267 30264 |
| 53 | 4822 462 40227 | 58 | 4822 402 60577 | 63 | 4822 267 40209 |
| 54 | 4822 325 60177 | 59 | 4822 402 30096 | 64 | 4822 525 90892 |
| 55 | 4822 411 60547 | 60 | 4822 276 10619 | 65 | 4822 277 30571 |
| | | | | 66 | 4822 492 60063 |
| | | | | 67 | 4822 454 30234 |

CS58693

| MISC. | BU-A | TS401a | | | | | | | | IC402a | | | | | | BU-B S426a | IC451 | | | | M458 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MISC. | | TS401b | | | | | | | | IC402b | | | | | | BU-C S426b | TS475 | TS476 | D480 | D479 | F463 | T468 F462 |
| C | 601a | | 602a | 603a | 604a | | 608a | 607a | 606a | 605a | 610a | 609a | 611a | 612a | 614a | 615a | 616a | 617a | 618a | 619a | | | | | | |
| C | 601b | | 602b | 603b | 604b | | 608b | 607b | 606b | 605b | 610b | 609b | 611b | 612b | 614b | 615b | 616b | 617b | 618b | 619b | 613a | 682 | 613b | 683 | 684 | 685 |
| R | | 502a | 503a | 504a | 507a | 508a | | 513a | 511a | 510a | | 516a | 515a | 517a | | 518a | 521a | | 520a | | | | | | 569.570.567.566.568 | |
| R | | 502b | 503b | 504b | 507b | 508b | 512 | 513b | 511b | 510b | 509 | 516b | 515b | 517b | | 518b | 521b | | 520b | | 583 | | 584 | | | |

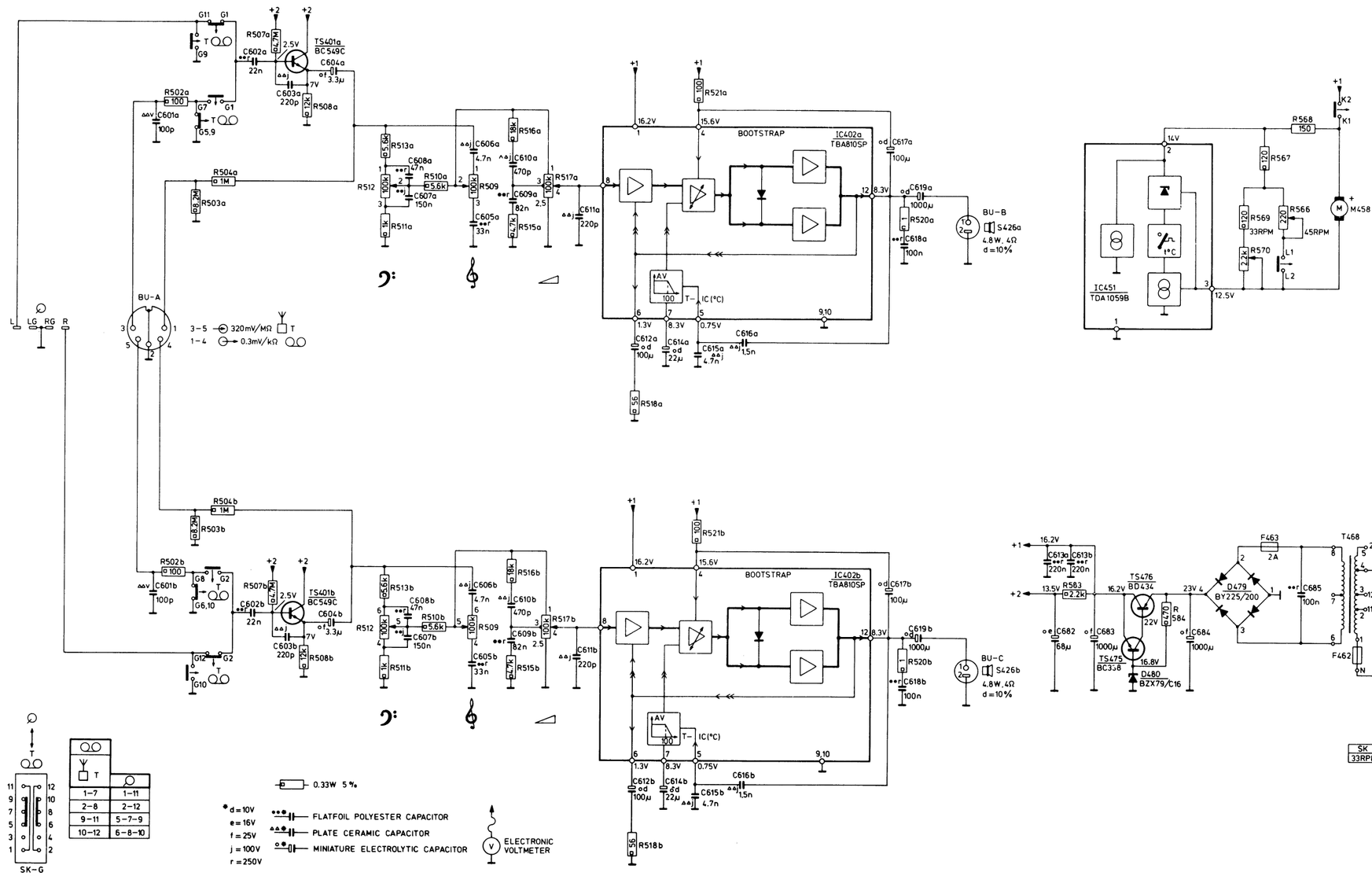
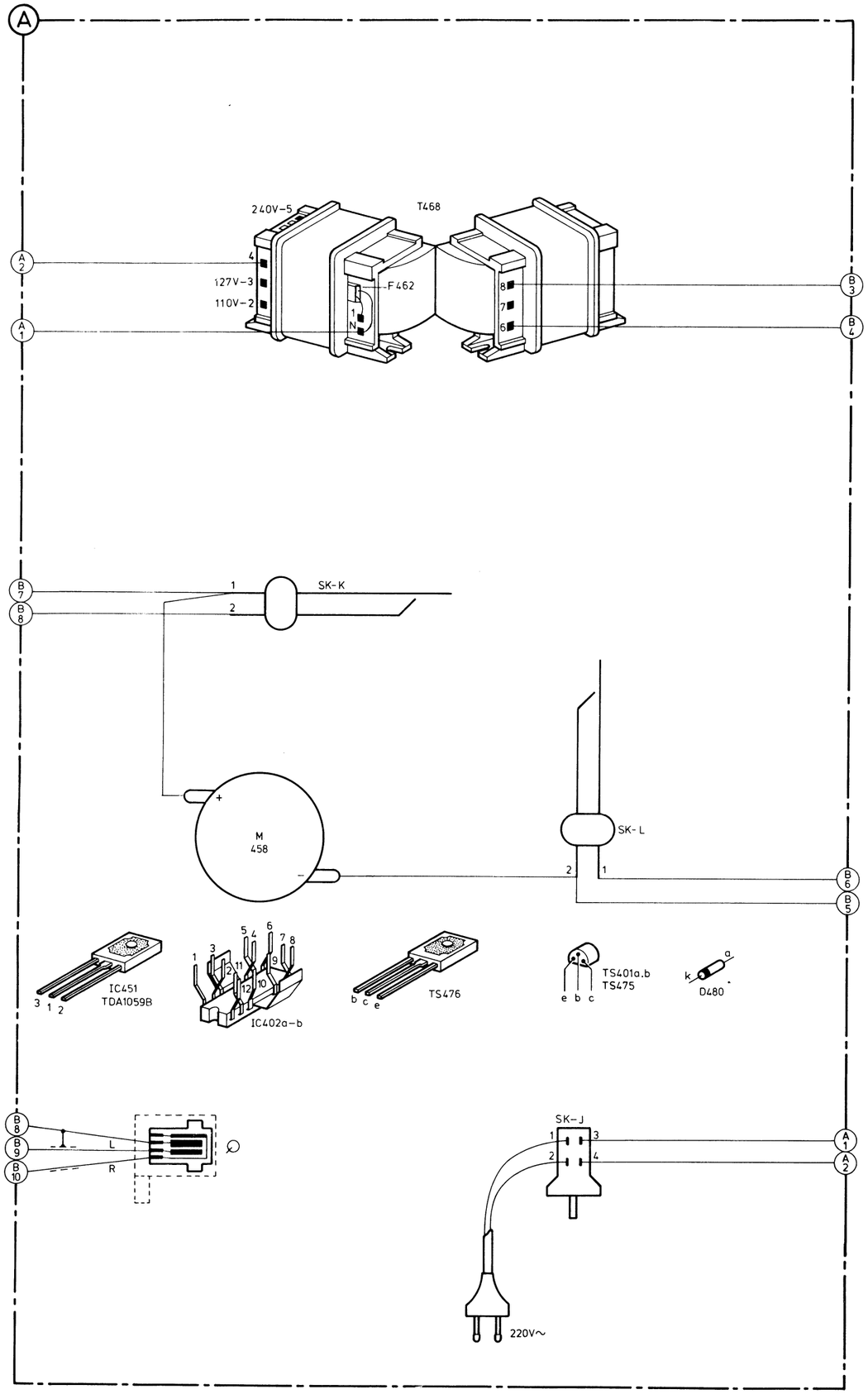
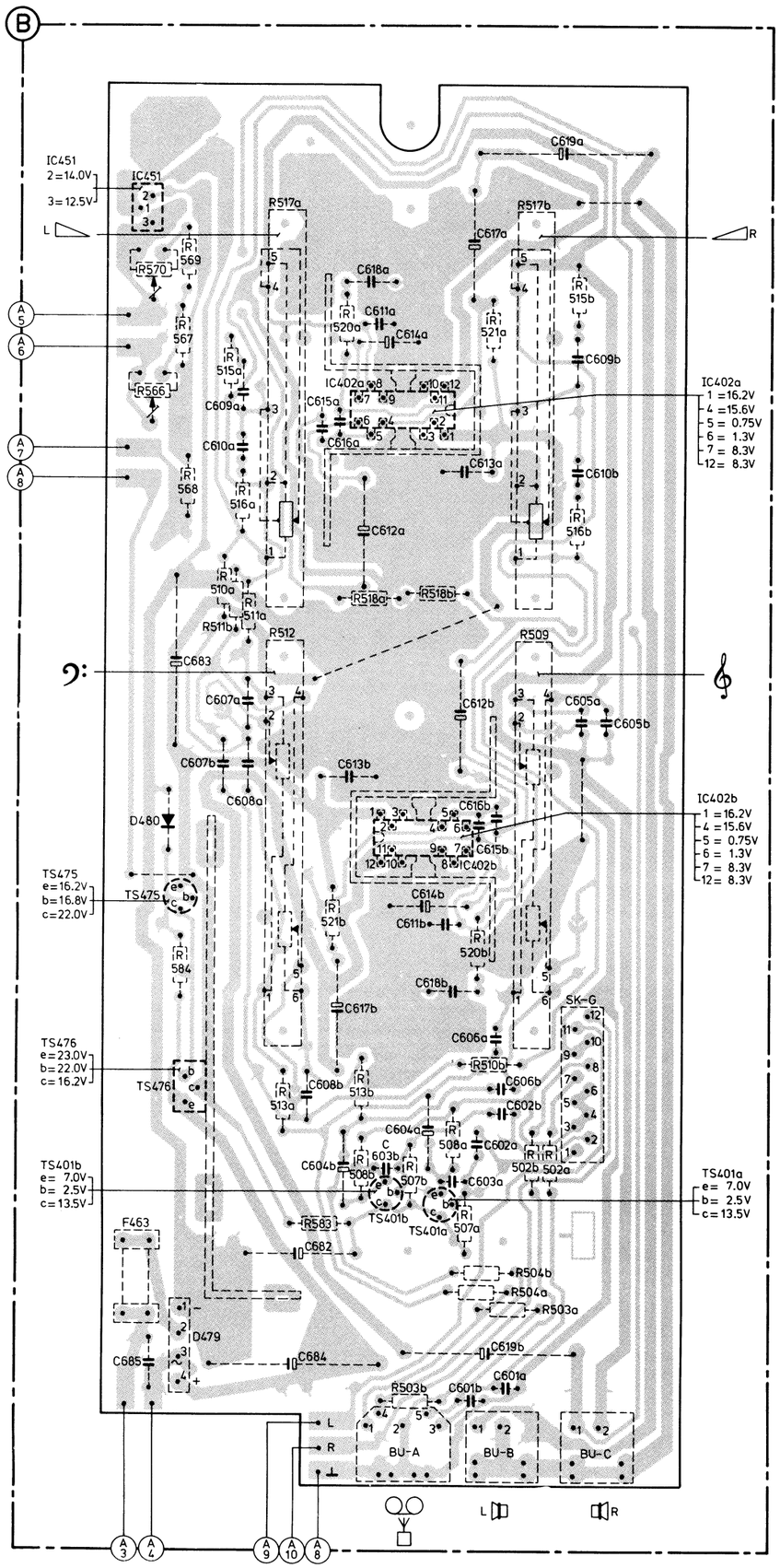



Fig. 2

| -TS- | -IC- | | -R- | | | -SK- | | |
|---|---|---|---|---|---|---|---|---|
| TS401a,b | BC549C | 5322 130 44246 | R509 | 100k (lin.) | 4822 105 10136 | SK-G | | 4822 277 30571 |
| IC402a,b | TBA810SP | 4822 209 80324 | R512 | 100k (lin) | 4822 105 10136 | SK-J | | 4822 276 10619 |
| IC451 | TDA1059B | 4822 209 80361 | R517a,b | 20 kΩ+ 80 kΩ (semi log) | 4822 105 10301 | | | |
| TS475 | BC338 | 5322 130 44121 | R566 | 220 Ω | 4822 100 10019 | -Miscellaneous- | Divers | |
| TS476 | BD434 | 4822 130 40983 | R568 | 150 Ω ± 2 % | 5322 116 54486 | BU-A | | 4822 267 40209 |
| -D- | | | R570 | 2,2 kΩ | 4822 100 10029 | BU-B.C | | 4822 267 30264 |
| D479 | BY225/200 | 4822 130 50312 | -S- | | | M458 | | 4822 361 30096 |
| D480 | BZX79/C16 | 5322 130 34268 | S426a-b | AD7080 - 4 Ω | 4822 240 50074 | F462 | | 4822 252 20007 |
| | | | | | | F463 | 2A (F) | 4822 253 20023 |
| | | | | | | T468 | | 4822 146 60082 |

CS58694



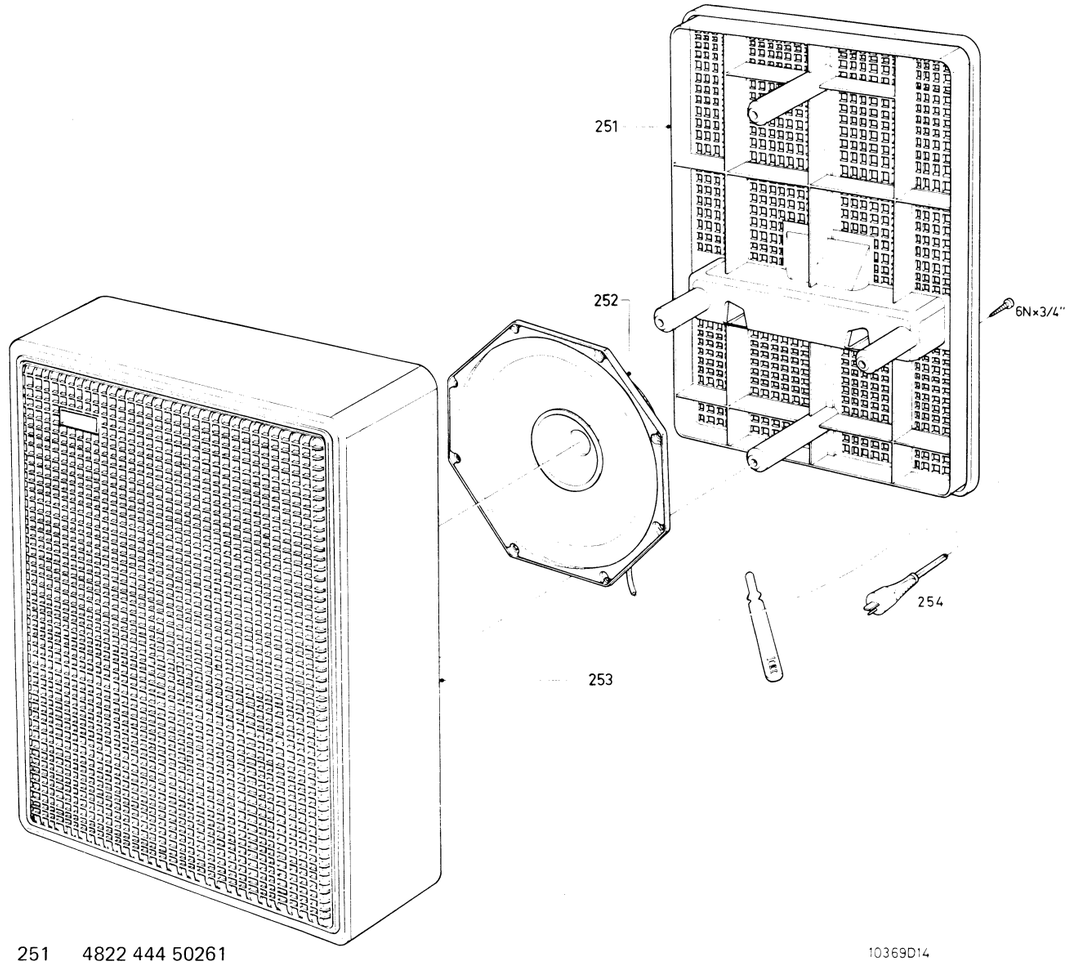




| MISC | C | R |
|---|---|---|
| | 619a | |
| IC451 | | 517a |
| | | 517b |
| | 617a | |
| | 618a | 569 |
| | | 570 |
| F462 | 611a | 515b |
| | 614a | 520a |
| | 609b | 521a |
| | | 567 |
| IC402a | 615a | 515a |
| | 609a | 566 |
| | 610a | |
| | 616a | |
| | 610b | |
| | 613a | 568 |
| | | 516a |
| | 612a | 516b |
| | | 510a |
| | | 518b |
| | | 518a |
| | | 511a |
| | | 511b |
| | | 509 |
| SK-K | 683 | 512 |
| | 607a | |
| | 605a | |
| | 605b | |
| | 612b | |
| | 613b | |
| | 607b | |
| | 608a | |
| | 616b | |
| D480 | 615b | |
| IC402b | | |
| M458 | 614b | |
| TS475 | 611b | 521b |
| SK-L | | 520b |
| | | 584 |
| | 618b | |
| SK-G | 617b | |
| | 606a | |
| | | 510b |
| TS476 | 606b | 513b |
| | 608b | 513a |
| | 602b | |
| | 604a | 508a |
| | 602a | 502a |
| | 603b | 502b |
| | 604b | 508b |
| | 603a | 507b |
| TS401b | | 583 |
| TS401a | | 507a |
| F463 | 682 | |
| SK-J | | 504b |
| | | 504a |
| | | 503a |
| D479 | | |
| | 619b | |
| | 684 | |
| | 685 | |
| | 601a | |
| | 601b | 503b |
| BU-C | | |
| BU-B | | |
| BU-A | | |

11850E12

Fig. 3

CS58210




| | | |
|---|---|---|
| 251 | 4822 444 50261 | |
| 252 | 4822 240 50074 | |
| 253 | 4822 444 30225 | |
| 254 | 4822 264 30041 | |

10369D14

Fig. 4

(GB)

Safety regulations require that the set be restored to its original condition and that parts which are identical with those specified, be used.

(NL)

Veiligheidsbepalingen vereisen, dat het apparaat bij reparatie in zijn oorspronkelijke toestand wordt teruggebracht en dat onderdelen, identiek aan de gespecificeerde, worden toegepast.

(F)

Les normes de sécurité exigent que l'appareil soit remis à l'état d'origine et que soient utilisées les pièces de rechange identiques à celles spécifiées.

(D)

Die Sicherheitsvorschriften erfordern, dass das Gerät sich nach der Reparatur in seinem originalen Zustand befindet und dass die benutzten Einzelteile den aufgeführten Teilen identisch sind.

(I)

Le norme di sicurezza esigono che l'apparecchio venga rimesso nelle condizioni originali e che siano utilizzati i pezzi di ricambio identici a quelli specificati.

(S)

Säkerhetsbestämmelserna kräver att varje reparation skall utföras korrekt med hänsyn till ursprunglig placering av komponenter, ledningar etc. och med användning af föreskrivna reservdelar.

(DK)

Myndighedernes sikkerheds- og radiostøjbestemmelser kraever, at enhver reparation skal udføres korrekt m.h.t. overholdelse af originalplacering og montering af komponenter, ledningsbundter, etc., og ved anvendelse af de foreskrevne reservedele.

(N)

Sikkerhetsbestemmelser kreves at apparatet blir gjennopprettet til orignial utførelse og at deler som er identiske med de som er spesifisert, blir benyttet.

(SF)

Korjatessa laitetta on turvallisuussyistä ehdottomasti eneteltävä oikein ja käytettävä tehtaan määräämiä alkuperäisvaraosia.

CS58211

| MISC | C | R |
|---|---|---|
| | 619a | |
| IC451 | | 517a |
| | | 517b |
| | 617a | |
| | 618a | 569 |
| | | 570 |
| | | 515b |
| | 611a | |
| | | 520a |
| | 614a | 521a |
| | | 567 |
| | 609b | 515a |
| IC402a | | |
| | 615a | 566 |
| | 609a | |
| | 610a | |
| | 616a | |
| | 610b | |
| | 613a | 568 |
| | | 516a |
| | 612a | 516b |
| | | 510a |
| | | 518b |
| | | 518a |
| | | 511a |
| | | 511b |
| | | 509 |
| | 683 | 512 |
| | 607a | |
| | 605a | |
| | 605b | |
| | 612b | |
| | 613b | |
| | 607b | |
| | 608a | |
| | 616b | |
| D480 | | |
| | 615b | |
| IC402b | | |
| | 614b | |
| TS475 | | |
| | 611b | |
| | | 521b |
| | | 520b |
| | | 584 |
| | 618b | |
| SK-G | 617b | |
| | 606a | |
| | | 510b |
| | 606b | |
| TS476 | 608b | 513b |
| | 602b | 513a |
| | 604a | |
| | 602a | 508a |
| | 603b | 502a |
| | 604b | 502b |
| | 603a | 508b |
| | | 507b |
| TS401b | | 583 |
| TS401a | | 507a |
| F463 | 682 | |
| | | 504b |
| | | 504a |
| | | 503a |
| D479 | | |
| | 619b | |
| | 684 | |
| | 685 | |
| | 601a | 503b |
| | 601b | |
| BU-C | | |
| BU-B | | |
| BU-A | | |

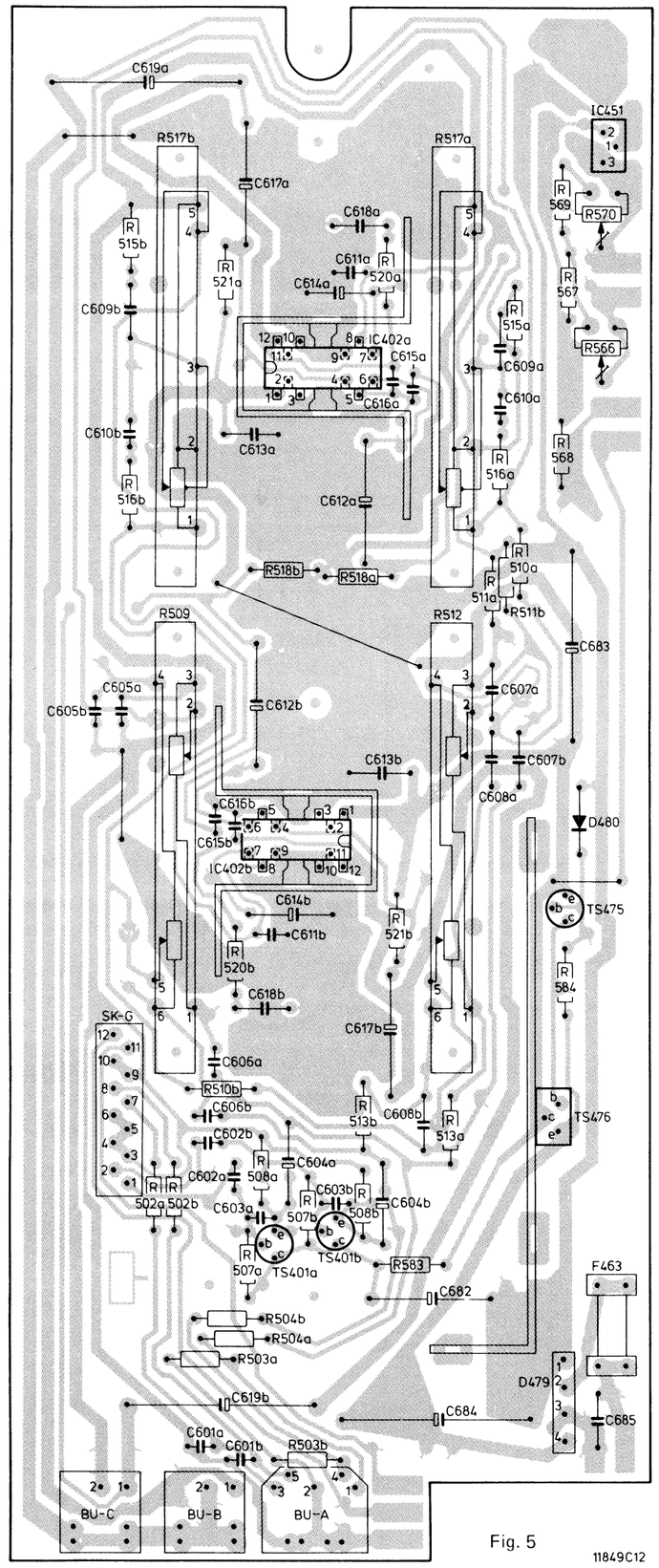



Fig. 5

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